

cont'd
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having an operating state, initiated subsequent to the charge sharing operating state, in which the switched capacitor network outputs at least one analog signal indicative of a sum of values of each bit in the multi-bit signal.

64. (Amended) An integrated circuit comprising:

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an integrated switched capacitor network that receives a multi-bit digital signal, the switched capacitor network having a plurality of sub DACs that each receive an associated bit of the multi-bit digital signal, each of the plurality of sub DACs having an associated capacitance that receives an associated amount of charge in response to the associated bit, wherein the associated amount of charge for each of the plurality of sub DACs is in direct proportion to a weight of the bit, the integrated switched capacitor network having an operating state in which at least two of the plurality of sub DACs share charge with one another, and having an operating state in which fewer than all of the plurality of sub DACs are connected to an output terminal and the switched capacitor network outputs at least one analog signal indicative of a sum of values of each bit in the multi-bit signal.

REMARKS

This amendment responds to the Office Action mailed on February 15, 2002, objecting to the drawings and rejecting all of the pending claims (claims 1-65). A drawing amendment is enclosed herewith under separate paper. Claims 5, 13, 37, 64 have been amended. The specification has been amended. A marked up version of the claims and specification is attached hereto. Applicants respectfully submit that all of the pending claims are patentable without further amendment. Accordingly, Applicants respectfully request reconsideration, removal of the objections and rejections, and allowance of all of the claims.

Claim Amendments

Claims 5 and 13 have been amended to more particularly point out and distinctly claim the inventions recited in these claims. It should be evident, in view of the discussion below, that these amendments are not relied upon, however, to traverse the claim rejections under 35 U.S.C. 102(b). No new matter has been added.

Claims 37 and 64 have been amended to more particularly point out and distinctly claim the inventions recited in these claims. It should be evident, in view of the discussion below, that